8

RUSH SPE SIGNATURE _____ Access DB# 212885

SEARCH REQUEST FORM

Scientific and Technical Information Center

EIC 2600

Requester's Full Name Mia Thomas Examiner # 83135 Date 1-9-07

Art Unit 2112 Phone Number _____ Serial Number 10/817471

Office Location Jeff P.T.O. Lab 2 Format preferred (circle) PAPER EMAIL BOTH

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Let us know what you already have and so do not need. Include the keywords, synonyms and meaning of acronyms. Define all terms that may have a specific meaning. Please attach a copy of the background, abstract, claims and other pertinent information.

Please state how the terms or keyword strings should relate to one another.

Title of the Invention _____

Inventor(s)

_____

_____

Earliest Priority date to be used _____

****

STAFF USE ONLY

Searcher Sleays

Phone 23534

Location Knox 8B59

Date picked up 1/10

Date completed 1/12

Search Prep/review 276

Online Time 74

TYPE of Search

Text ✓

Litigation ____

Other ____

Databases Searched

Dialog

STN

QuestelOrbi

LEXIS/NEX

Courtlink

Other

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File 348:EUROPEAN PATENTS 1978-2006/ 200702
         (c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20070111UT=20070104
         (c) 2007 WIPO/Thomson

Set     Items   Description
S1     635746   (IMAGE?? OR PHOTO?? OR PHOTOGRAPH??)
S2        304   S1(3N)SKETCH??
S3        419   (PRIMITIVE?? OR PRIMAL)(3N)LAYER??
S4       6742   (DOWN OR DOWNED)(3N)SAMPL?
S5      27142   (EDGE?? OR CONTOUR??? OR RIDGE??)(5N)(ENHANC? OR ADJUST? OR
              CORRECT? OR RECONSTRUCT? OR IMPROVE?? OR IMPROVING OR RESTOR?
              OR REPLAC?)
S6       3818   ANTI()ALIAS? OR ANTIALIAS?
S7      41417   INTERPOLAT?
S8       1954   HALLUCINAT?
S9         74   MAXIMUM()POSTERIOR?
S10        71   BANK() FILTER???
S11       339   AU=(SUN, J? OR SUN J? OR SHUM H? OR SHUM H? OR TAO, H?) OR
             JIAN(2N)SUN OR HEUNG(2N)SHUM OR HAI(2N)TAO
S12      2144   S1(5N)S5
S13        11   S12(5N)S6
S14         3   S13 AND IC=G06K?
S15        54   S12(5N)S7
S16         0   S15(5N)S8
S17         0   S15(5N)S9
S18         0   S15(5N)S10
S19         2   S15 AND IC=G06K?
S20         2   S15 AND IC=G06K?
S21         0   S20 NOT S19
S22         0   S2(5N)S5
S23         0   S2(5N)(S6:S10)
S24         2   S4(5N)S5
S25        20   S4(5N)S6
S26        19   S25 NOT S24
S27         1   S26 AND IC=G06K?
S28        73   S4(5N)S7
S29         0   S28(5N)S8
S30         2   S28 AND IC=G06K?
S31         0   S24(5N)S9
S32         0   S24(5N)S10
S33        22   S5(5N)S6
S34         0   S33(5N)S7
S35         0   S33(5N)(S8:S10)
S36        20   S4(5N)S6
S37         1   S36 AND IC=G06K?
S38         1   S36(5N)S7
S39         0   S36(5N)(S8:S10)
S40         0   S3(5N)S6
S41         0   S3(5N)(S7:S10)
S42       431   S1(5N)S6
S43         0   S42(5N)S8
S44         0   S42(5N)S9
S45         0   S42(5N)S10
S46         2   S11(5N)S1
?
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Sylvia Keys 12-Jan-07 03:18 PM

17/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01073836
Programmable mapping of lower resolution digital data to a higher resolution for output on a lower resolution device
Programmierbare Auflosungumwandlung von digitalen Daten mit niedriger Auflosung zu einer hoheren Auflosung fur die Wiedergabe auf einem niedrigauflosendem Ausgabegerat
Transformation programmable de donnees numeriques de faible resolution a une resolution plus elevee pour sortie sur un dispositif de resolution plus faible
PATENT ASSIGNEE:
Hewlett-Packard Company, A Delaware Corporation, (3016020), 3000 Hanover Street, Palo Alto, CA 94304, (US), (Proprietor designated states: all)
INVENTOR:
Bearss, James G., 1012 Berkeley, Boise, ID 83705, (US)
Roylance, Eugene A., 4723 N. Capson Ave., Boise, ID 83704, (US)
Bradburn, Wayne E., 1725 E. Highgate Ct., Eagle, ID 83616, (US)
Jones, Arlin R., 11455 Gunsmoke Street, Boise, ID 83713, (US)
LEGAL REPRESENTATIVE:
Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe, Zimmermann, Stockeler & Zinkler Patentanwalte Postfach 246, 82043 Pullach bei Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 945823 A2 990929 (Basic)
EP 945823 A3 020710
EP 945823 B1 040714
APPLICATION (CC, No, Date): EP 98115270 980813;
PRIORITY (CC, No, Date): US 47315 980324
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): **G06K-015/00** ; H04N-001/40; G06T-003/40
ABSTRACT WORD COUNT: 219
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199939	940
CLAIMS B	(English)	200429	914
CLAIMS B	(German)	200429	929
CLAIMS B	(French)	200429	1084
SPEC A	(English)	199939	5685
SPEC B	(English)	200429	5717
Total word count - document A			6626
Total word count - document B			8644
Total word count - documents A + B			15270

INTERNATIONAL PATENT CLASS (V7): **G06K-015/00** ...

...SPECIFICATION been developed to improve the quality of the output image of a raster bitmap. These **enhancement** techniques include: **edge** smoothing, fine line broadening, **antialiasing** (to smooth jagged edges), and increasing the resolution of the laser printer. These enhancing techniques...

...SPECIFICATION been developed to improve the quality of the output image of a raster bitmap. These **enhancement** techniques include: **edge** smoothing, fine line broadening, **antialiasing** (to smooth jagged edges),

and increasing the resolution of the laser printer. These enhancing techniques...

17/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00968065
Programmable mapping of lower resolution digital data to a higher resolution output device
Programmierbare Kartierung von digitalen Daten mit niedriger Auflosung auf einem Ausgangsgerat mit hoher Auflosung
Cartographie programmable de donnees numeriques de faibleresolution sur un dispositif de sortie de resolution plus elevee
PATENT ASSIGNEE:
Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto, California 94304, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Bearss, James G., 1012 Berkeley, Boise, ID 83705, (US)
Roylance, Eugene A., 4723 N. Capson Ave., Boise, ID 83704, (US)
Jones, Arlin R., 11455 Gunsmoke Street, Boise, ID 83713, (US)
LEGAL REPRESENTATIVE:
Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe & Zimmermann Patentanwalte Postfach 71 08 67, 81458 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 878771 A2 981118 (Basic)
APPLICATION (CC, No, Date): EP 98105543 980326;
PRIORITY (CC, No, Date): US 855253 970513
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): **G06K-015/02** ;
ABSTRACT WORD COUNT: 194

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9847	650
SPEC A	(English)	9847	4978
Total word count - document A			5628
Total word count - document B			0
Total word count - documents A + B			5628

INTERNATIONAL PATENT CLASS (V7): **G06K-015/02**

...SPECIFICATION been developed to improve the quality of the output image of a raster bitmap. These **enhancement** techniques include: **edge** smoothing, fine line broadening, **antialiasing** (to smooth jagged edges), and increasing the resolution of the laser printer. These enhancing techniques...

17/3,K/3 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00822605 **Image available**
METHOD FOR RAPID SMOOTHING OF OBJECT EDGES IN COMPUTER GRAPHICS
PROCEDE DE LISSAGE RAPIDE DES BORDS D'UN OBJET EN INFOGRAPHIE
Patent Applicant/Assignee:

CHANNEL STORM LTD, Bar-Simantov Street 13, 56402 Yehud, IL, IL (Residence), IL (Nationality), (For all designated states except: US)
FRIEDMAN Mark M, Alharizi Street 1, 43406 Raanana, IL, IL (Residence), US (Nationality), (Designated only for: TJ)

Patent Applicant/Inventor:
TAVOR Amon, Bar Kochva Street 24, 63427 Tel Aviv, IL, IL (Residence), IL (Nationality), (Designated only for: US)

Legal Representative:
FRIEDMAN Mark M (commercial rep.), c/o Castorina, Anthony, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA 22202, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200156268 A1 20010802 (WO 0156268)
Application: WO 2001US2794 20010129 (PCT/WO US0102794)
Priority Application: US 2000491871 20000127

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 6116

International Patent Class (v7): **G06K-009/36** ...
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... the alpha component value of the edge pixel and an alpha component value for an **adjusting** pixel to form an **edge anti - aliased** pixel.

According to still another embodiment of the present invention, there is provided a method alpha component value of the edge pixel and the alpha component value for the **adjusting** pixel to form an **edge anti - aliased** pixel.

Hereinafter, the term "computer" includes, but is not limited to, personal computers (PC) having...

Claim
... the alpha component value of said edge pixel and an alpha component value for an **adjusting** pixel to form an **edge anti - aliased** pixel.

19 The method of claim I 8, wherein said adjusting pixel is fon-ned... alpha component value of said edge
I
pixel and said alpha component value for said **adjusting** pixel to fon-n an **edge anti - aliased** pixel.

24 The method of claim 23, wherein said adjusting pixel is formed by adding...

17/3,K/4 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00211838
RESOLUTION TRANSFORMING RASTER-BASED IMAGING SYSTEM
SYSTEME D'IMAGERIE BASE SUR LA TRAME TRANSFORMANT LA RESOLUTION
Patent Applicant/Assignee:
DP-TEK INC,
Inventor(s):
FRAZIER Allen L,
PIERSON James S,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9209045 A2 19920529
Application: WO 91US8327 19911106 (PCT/WO US9108327)
Priority Application: US 9087 19901107
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AT AU BE CA CH DE DK ES FR GB GR IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 13558

Main International Patent Class (v7): **G06K-000/00**
Fulltext Availability:
Detailed Description

Detailed Description
... Methods
Various techniques have been developed to improve the quality of the output image. These **enhancement** techniques include: **edge** smoothing, fine line I broadening, **antialiasing** . (i.e. reducing jaggedness or "aliasing") . and increasing the resolution of the display apparatus.

Most...
?

14/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01073836
Programmable mapping of lower resolution digital data to a higher resolution for output on a lower resolution device
Programmierbare Auflosungumwandlung von digitalen Daten mit niedriger Auflosung zu einer hoheren Auflosung fur die Wiedergabe auf einem niedrigauflosendem Ausgabegerat
Transformation programmable de donnees numeriques de faible resolution a une resolution plus elevee pour sortie sur un dispositif de resolution plus faible
PATENT ASSIGNEE:
Hewlett-Packard Company, A Delaware Corporation, (3016020), 3000 Hanover Street, Palo Alto, CA 94304, (US), (Proprietor designated states: all)
INVENTOR:
Bearss, James G., 1012 Berkeley, Boise, ID 83705, (US)
Roylance, Eugene A., 4723 N. Capson Ave., Boise, ID 83704, (US)
Bradburn, Wayne E., 1725 E. Highgate Ct., Eagle, ID 83616, (US)
Jones, Arlin R., 11455 Gunsmoke Street, Boise, ID 83713, (US)
LEGAL REPRESENTATIVE:
Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe, Zimmermann, Stockeler & Zinkler Patentanwalte Postfach 246, 82043 Pullach bei Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 945823 A2 990929 (Basic)
EP 945823 A3 020710
EP 945823 B1 040714
APPLICATION (CC, No, Date): EP 98115270 980813;
PRIORITY (CC, No, Date): US 47315 980324
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): **G06K-015/00** ; H04N-001/40; G06T-003/40
ABSTRACT WORD COUNT: 219
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199939	940
CLAIMS B	(English)	200429	914
CLAIMS B	(German)	200429	929
CLAIMS B	(French)	200429	1084
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Total word count - document A			6626
Total word count - document B			8644
Total word count - documents A + B			15270

INTERNATIONAL PATENT CLASS (V7): **G06K-015/00** ...

...SPECIFICATION and line art.
Various techniques have been developed to improve the quality of the output **image** of a raster bitmap. These **enhancement** techniques include: **edge** smoothing, fine line broadening, **antialiasing** (to smooth jagged edges), and increasing the resolution of the laser printer. These enhancing techniques...

...SPECIFICATION and line art.
Various techniques have been developed to improve the quality of the

output **image** of a raster bitmap. These **enhancement** techniques include: **edge** smoothing, fine line broadening, **antialiasing** (to smooth jagged edges), and increasing the resolution of the laser printer. These enhancing techniques...

14/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00968065
Programmable mapping of lower resolution digital data to a higher resolution output device
Programmierbare Kartierung von digitalen Daten mit niedriger Auflosung auf einem Ausgangsgerat mit hoher Auflosung
Cartographie programmable de donnees numeriques de faibleresolution sur un dispositif de sortie de resolution plus elevee
PATENT ASSIGNEE:
Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto, California 94304, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Bearss, James G., 1012 Berkeley, Boise, ID 83705, (US)
Roylance, Eugene A., 4723 N. Capson Ave., Boise, ID 83704, (US)
Jones, Arlin R., 11455 Gunsmoke Street, Boise, ID 83713, (US)
LEGAL REPRESENTATIVE:
Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe & Zimmermann Patentanwalte Postfach 71 08 67, 81458 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 878771 A2 981118 (Basic)
APPLICATION (CC, No, Date): EP 98105543 980326;
PRIORITY (CC, No, Date): US 855253 970513
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): **G06K-015/02** ;
ABSTRACT WORD COUNT: 194

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9847	650
SPEC A	(English)	9847	4978
Total word count - document A			5628
Total word count - document B			0
Total word count - documents A + B			5628

INTERNATIONAL PATENT CLASS (V7): **G06K-015/02**

...SPECIFICATION and line art:
Various techniques have been developed to improve the quality of the output **image** of a raster bitmap. These **enhancement** techniques include: **edge** smoothing, fine line broadening, **antialiasing** (to smooth jagged edges), and increasing the resolution of the laser printer. These enhancing techniques...

14/3,K/3 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00211838

RESOLUTION TRANSFORMING RASTER-BASED IMAGING SYSTEM
SYSTEME D'IMAGERIE BASE SUR LA TRAME TRANSFORMANT LA RESOLUTION

Patent Applicant/Assignee:
DP-TEK INC,

Inventor(s):
FRAZIER Allen L,
PIERSON James S,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9209045 A2 19920529
Application: WO 91US8327 19911106 (PCT/WO US9108327)
Priority Application: US 9087 19901107

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AT AU BE CA CH DE DK ES FR GB GR IT JP LU NL SE

Publication Language: English
Fulltext Word Count: 13558

Main International Patent Class (v7): **G06K-000/00**

Fulltext Availability:
Detailed Description

Detailed Description
... Existing Enhancement Methods
Various techniques have been developed to improve the quality of the output **image** . These **enhancement** techniques include: **edge** smoothing, fine line I broadening, **antialiasing** . (i.e. reducing jaggedness or "aliasing") . and increasing the resolution of the display apparatus.

Most...
?

19/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01440295 **Image available**
CONTINUOUS EXTENDED RANGE IMAGE PROCESSING
TRAITEMENT D'IMAGE A PLAGE ETENDUE CONTINUE
Patent Applicant/Assignee:
LOCKHEED MARTIN CORPORATION, 6801 Rockledge Drive, Bethesda, Maryland 20817, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
TENER Gene D, 280 Country Sun Cove, Oviedo, Florida 32765, US, US (Residence), US (Nationality),
MATTOX Barry, 210 East Miller Street, Orlando, Florida 32806, US, US (Residence), US (Nationality),
PARK Jennifer K, 1768 Seneca Boulevard, Winter Springs, Florida 32708, US , US (Residence), US (Nationality),
COWAN John, 7270 Westpointe Boulevard, #932, Orlando, Florida 32835, US, US (Residence), US (Nationality),
HERZOG William R, 8707 Fernwickle Court, Orlando, Florida 32819, US, US (Residence), US (Nationality),
CHEN Hai-Wen, 3041 Rollman Road, Orlando, Florida 32837, US, US (Residence), US (Nationality),
KANE James P III, 604 Parkwood Avenue, Altamonte Springs, Florida 32714, US, US (Residence), US (Nationality),
HUBER David J, Florida, US, US (Residence), US (Nationality),
MIREK Thomas A, Florida, US, US (Residence), US (Nationality),
ALDERSON Timothy, 711 Sailfish Road, Winter Springs, Florida 32708, US, US (Residence), US (Nationality),
Legal Representative:
KEANE Patrick C et al (agent), Buchanan Ingersoll PC, P. O. Box 1404, Alexandria, Virginia 22313-1404, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 2006122009 A2 20061116 (WO 06122009)
Application: WO 2006US17688 20060509 (PCT/WO US2006017688)
Priority Application: US 2005678775 20050509
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR
KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG
PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC
VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL
PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 22936

International Patent Class (v8 + Attributes)
IPC + Level Value Position Status Version Action Source Office:
G06K-0009/46 ...
Fulltext Availability:
Detailed Description

Detailed Description

... 359,681. In addition or alternatively to changing the pixel depth of the image, the **image** resulting from 2-D **edge enhancement** filter 313 can be optionally **interpolated** in BLI 315 using, for example, bilinear interpolation to re-sample the image to either...

19/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00381459
METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A VIDEO IMAGE
PROCEDE ET APPAREIL DE COMPRESSION ET DE DECOMPRESSION D'UNE IMAGE VIDEO
Patent Applicant/Assignee:
MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
Inventor(s):
MASAKI Ichiro,
DESAI Ujjaval,
CHANDRAKASAN Anantha,
HORN Berthold,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9722202 A2 19970619
Application: WO 96US19896 19961212 (PCT/WO US9619896)
Priority Application: US 95570765 19951212
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 9288
Main International Patent Class (v7): **G06K-009/48**
International Patent Class (v7): **G06K-09:40** ...
Fulltext Availability:
Detailed Description

Detailed Description
... is performed on each of the luminance and chrominance components separately to regenerate three separate **image** arrays.

More specifically, the receiver **reconstructs** all of the **contour** intensity data by **interpolating** the contour data between edges. Since the number of contour data pixels is much less...

24/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01295167
Digital camera system and method
Digitales Kamerasystem und Verfahren
Systeme et procede de camera numerique
PATENT ASSIGNEE:
Texas Instruments Incorporated, (279078), 7839 Churchill Way, Mail Station 3999, Dallas, Texas 75251, (US), (Applicant designated States: all)
INVENTOR:
Hung, Ching-Yu, 4633 Baldwin lane, Plano, Texas 75024, (US)
Tamama, Hideo, Matsushiro 4-9-10, Tsukuba, Ibaraki, (JP)
Osamoto, Akira, Koda 972-2, Inashiki, Ibaraki, (JP)
Koshiba, Osamu, 3-11-2-402 Koyadai, Tsukuba, Ibaraki, (JP)
Yamauchi, Satoru, 1022-17 Otto, Tsuchiura, Ibaraki, (JP)
Zhou, Minhua, 2523 Ohio drive No. 108, Plano, Texas 75093, (US)
Ilgner, Klaus, Marquartsteiner Strasse 12, 81549 Munchen, (DE)
Talluri, Rajendra, 2220 Fountain Head Drive, Plano, 75203, (US)
Yoo, Youngjun, 800 West Renner Road, No. 1418, Richardson, Texas 75080, (US)
Liang, Jie, 2505 Frosted Green Lane, Plano, Texas 75025, (US)
Tsai, Mandy, 4F, 72, Hua Lin Street, Taipei 111, (KR)
Tsunoda, Kiyoshi, Shinoharadaimachi 36-33, Kouhoku-ku, Tokohama-city, Kanagawa, (JP)
Inamori, Shinri, 2-18-22-404 Jamariya-Higashi, Kanazawa-ku, Yokohama-shi, Kanagawa, (JP)
LEGAL REPRESENTATIVE:
Potter, Julian Mark et al (80064), D Young & Co 120 Holborn, London EC1N 2DY, (GB)
PATENT (CC, No, Kind, Date): EP 1111904 A2 010627 (Basic)
EP 1111904 A8 010816
EP 1111904 A3 050316
APPLICATION (CC, No, Date): EP 2000311430 001220;
PRIORITY (CC, No, Date): US 172780 P 991220; US 215000 P 000629; US 214951 P 000629; US 632543 P 000804; US 176272 P 000114
DESIGNATED STATES: AT
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): H04N-001/40
ABSTRACT WORD COUNT: 46
NOTE:
Figure number on first page: 1A

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200126	1703
SPEC A	(English)	200126	22464
Total word count - document A			24167
Total word count - document B			0
Total word count - documents A + B			24167

...SPECIFICATION still cameras, iMX can be used to speed up
CFA interpolation,
color space conversion,
chroma **down - sampling** ,
edge enhancement ,
color suppression,
DCT and IDCT,

Table lookup.
iMX methodology originates from the discipline of parallel...

24/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00700391
Decomposition in noise and periodic signal waveforms in waveform interpolation
Wellenforminterpolation mittels Zerlegung in Rauschen und periodische Signalanteile
Interpolation de formes d'onde par decomposition en bruit et en signaux periodiques
PATENT ASSIGNEE:
AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412, (US), (Proprietor designated states: all)
INVENTOR:
Kleijn, Willem Bastiaan, 87 Village Drive, Basking Ridge, New Jersey 07920, (US)
LEGAL REPRESENTATIVE:
Watts, Christopher Malcolm Kelway, Dr. (37391), Lucent Technologies (UK) Ltd, 5 Mornington Road, Woodford Green Essex, IG8 0TU, (GB)
PATENT (CC, No, Kind, Date): EP 666557 A2 950809 (Basic)
EP 666557 A3 970806
EP 666557 B1 030115
APPLICATION (CC, No, Date): EP 95300664 950202;
PRIORITY (CC, No, Date): US 195221 940208
DESIGNATED STATES: DE; ES; FR; GB; IT
INTERNATIONAL PATENT CLASS (V7): G10L-019/12
ABSTRACT WORD COUNT: 152
NOTE:
Figure number on first page: 10

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	724
CLAIMS B	(English)	200303	690
CLAIMS B	(German)	200303	678
CLAIMS B	(French)	200303	856
SPEC A	(English)	EPAB95	9373
SPEC B	(English)	200303	9663
Total word count - document A			10099
Total word count - document B			11887
Total word count - documents A + B			21986

...SPECIFICATION the reconstructed signal power. Thus, if the quantized energy is received without errors, the energy **contour** of the signal will be **correct** .
In **down - sampler** 706, the adjusted gain is down-sampled. Down-sampling to a rate of one gain...

...SPECIFICATION the reconstructed signal power. Thus, if the quantized energy is received without errors, the energy **contour** of the signal will be **correct** .
In **down - sampler** 706, the adjusted gain is down-sampled. Down-sampling to a rate of one gain...
?

27/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00897579 **Image available**
WAVELET-LIKE TRANSFORM AND SPARSE CODING
TRANSFORMEE DE TYPE ONDELETTE ET CODAGE EPARS
Patent Applicant/Assignee:
PICSURF INC, 1240 Villa Street, Mountain View, CA 94041, US, US (Residence), US (Nationality)
Inventor(s):
CHUI Charles K, 340 Olive Street, Menlo Park, CA 94025, US,
GAO Hong-Ye, 281 Merz Court, Milpitas, CA 95035, US,
ZHONG Lefan, 170 Gilbert Avenue, Santa Clara, CA 95051, US,
Legal Representative:
WILLIAMS Gary S (et al) (agent), Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200231756 A1 20020418 (WO 0231756)
Application: WO 2001US31870 20011011 (PCT/WO US0131870)
Priority Application: US 2000687467 20001012
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 25738

Main International Patent Class (v7): **G06K-009/36**
International Patent Class (v7): **G06K-009/46**
Fulltext Availability:
Detailed Description

Detailed Description
... base image is to be included in the image file (257), the original image is **down - sampled** and **anti - aliased** so as to generate a new base image (258) that is smaller in each dimension...
?

30/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00442851 **Image available**
FOVEATED IMAGE CODING SYSTEM AND METHOD FOR IMAGE BANDWIDTH REDUCTION
SYSTEME DE CODAGE DE L'IMAGE PAR FOVEATION ET PROCEDE DE REDUCTION DE LA LARGEUR DE BANDE DE L'IMAGE
Patent Applicant/Assignee:
GEISLER Wilson S,
KORTUM Philip T,
Inventor(s):
GEISLER Wilson S,
KORTUM Philip T,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9833315 A2 19980730
Application: WO 97US23737 19971231 (PCT/WO US9723737)
Priority Application: US 9735765 19970106; US 9734549 19970107
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP
KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
SE SG SI SK TJ TM TR TT UA UG US UZ VN GH GM KE LS MW SD SZ UG ZW AM AZ
BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 23014

Main International Patent Class (v7): **G06K-009/36**
International Patent Class (v7): **G06K-09:32** ...
Fulltext Availability:
Detailed Description

Detailed Description
... a22' Other kernals may also be used as later described in section 4
EXPAND. Next, **down - sampled** (reduced) image 62 is **interpolated** (up-sampled) to obtain a larger, lower-resolution image 64.

A great computational benefit of...

30/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2007 WIPO/Thomson. All rts. reserv.

00398677 **Image available**
COMPUTATIONALLY EFFICIENT DIGITAL IMAGE WARPING
DEFORMATION D'IMAGE NUMERIQUE EFFICACE DU POINT DE VUE DU CALCUL
Patent Applicant/Assignee:
SARNOFF CORPORATION,
Inventor(s):
LOHMEYER Mark S,
BURT Peter Jeffrey,
VAN DER WAL Gooitzen Siemen,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9739420 A1 19971023
Application: WO 97US5427 19970417 (PCT/WO US9705427)

Priority Application: US 9615577 19960418
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP KR MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 7824

Main International Patent Class (v7): **G06K-009/36**
Fulltext Availability:
Detailed Description

English Abstract
...image (20). The interpolator is, for example, a low quality interpolator such as a bilinear **interpolator** . The warped image is then **down - sampled** to the same resolution as the input image to produce the warped image (30). Down...

Detailed Description
... upsampled image. The interpolator is, for example, a low quality interpolator such as a bilinear **interpolator** . The warped image is **down sampled** to the same resolution as the input image to produce the warped image. Down sampling...upsampled image. The
interpolator can be a relatively low quality interpolator such as a bilinear **interpolator** . The warped image is then **down sampled** to the same resolution as the input image to produce the warped image. Down sampling...
?

37/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00897579 **Image available**
WAVELET-LIKE TRANSFORM AND SPARSE CODING
TRANSFORMEE DE TYPE ONDELETTE ET CODAGE EPARS
Patent Applicant/Assignee:
PICSURF INC, 1240 Villa Street, Mountain View, CA 94041, US, US (Residence), US (Nationality)
Inventor(s):
CHUI Charles K, 340 Olive Street, Menlo Park, CA 94025, US,
GAO Hong-Ye, 281 Merz Court, Milpitas, CA 95035, US,
ZHONG Lefan, 170 Gilbert Avenue, Santa Clara, CA 95051, US,
Legal Representative:
WILLIAMS Gary S (et al) (agent), Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200231756 A1 20020418 (WO 0231756)
Application: WO 2001US31870 20011011 (PCT/WO US0131870)
Priority Application: US 2000687467 20001012
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 25738

Main International Patent Class (v7): **G06K-009/36**
International Patent Class (v7): **G06K-009/46**
Fulltext Availability:
Detailed Description

Detailed Description
... base image is to be included in the image file (257), the original image is **down - sampled** and **anti - aliased** so as to generate a new base image (258) that is smaller in each dimension...
?

38/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01960153
Image data processing in color spaces
Bilddatenverarbeitung in Farbraumen
Traitement de donnees d'image dans des espaces de couleur
PATENT ASSIGNEE:
OmniVision Technologies, Inc., (2576671), 1341 Orleans Drive Sunnyvale,, California 94089, (US), (Applicant designated States: all)
INVENTOR:
Wei-Feng, Huang, 19689 Glen Brae Drive, Saratoga, California 95070, (US)
LEGAL REPRESENTATIVE:
Hackney, Nigel John et al (76991), Mewburn Ellis LLP York House, 23 Kingsway, London WC2B 6HP, (GB)
PATENT (CC, No, Kind, Date): EP 1580982 A2 050928 (Basic)
APPLICATION (CC, No, Date): EP 2005251044 050223;
PRIORITY (CC, No, Date): US 786900 040224
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LI; LT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; BA; HR; LV; MK; YU
INTERNATIONAL PATENT CLASS (V7): H04N-001/60; H04N-009/04
ABSTRACT WORD COUNT: 100
NOTE:
Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200539	738
SPEC A	(English)	200539	5726
Total word count - document A			6464
Total word count - document B			0
Total word count - documents A + B			6464

...SPECIFICATION low-pass filters, high-pass filters, band-pass filters, band-stop filters, all-pass filters, **anti - aliasing** filters, decimation (**down - sampling**) filters, and **interpolation** (up-sampling) filters.
FIG. 6 is a representation of image data that has been converted...
?

46/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01736884
Method of detecting the presence of figures and methods of managing a stock of components
Verfahren zur Merkmalenanwesenheitserfassung und Verfahren zur Verwaltung eines Komponentenvorrats
Methode de detection de la presence de figures et methodes de gestion de stocks de composants
PATENT ASSIGNEE:
Setrix AG, (2941750), Leopoldstrasse 236, 80807 Munchen, (DE), (Applicant designated States: all)
INVENTOR:
Spindler, Thomas, Sophienbergstrasse 29, 74632 Neuenstein, (DE)
Chiu, Ming-Yee, 5 Barnard Place, Princeton Jct, NJ 08540, (US)
LEGAL REPRESENTATIVE:
Epping Hermann & Fischer (101751), Ridlerstrasse 55, 80339 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1422657 A1 040526 (Basic)
APPLICATION (CC, No, Date): EP 2002026307 021120;
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G06K-019/06; G06K-009/46
ABSTRACT WORD COUNT: 75
NOTE:
Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200422	1163
SPEC A	(English)	200422	11321
Total word count - document A			12484
Total word count - document B			0
Total word count - documents A + B			12484

...SPECIFICATION US Patent: 6,246,412: "Interactive construction and refinement of 3D models from multiple panoramic **images** " by **Heung** -Yeung **Shum** ; Mei Han; and Richard S. Szeliski;

46/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01123809 **Image available**
METHOD OF DETECTING THE PRESENCE OF FIGURES AND METHODS OF MANAGING A STOCK OF COMPONENTS
PROCEDE DE DETECTION DE LA PRESENCE DE CHIFFRES ET DE GESTION D'UN STOCK DE COMPOSANTS
Patent Applicant/Assignee:
SETRIX AG, Leopoldstr. 236, 80807 Munchen, DE, DE (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
CHIU Ming-Yee, 5 Barnard Place, Princeton, NJ 08540, US, US (Residence), US (Nationality), (Designated only for: US)
SPINDLER Thomas, Sophienbergstr. 29, 74632 Neuenstein, DE, DE (Residence), DE (Nationality), (Designated only for: US)

Legal Representative:
EPPING HERMANN FISCHER PATENTANWALTSGESELLSCHAFT MBH (agent), Ridlerstr. 55, 80339 Munchen, DE,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200447014 A1 20040603 (WO 0447014)
Application: WO 2003EP12966 20031119 (PCT/WO EP03012966)
Priority Application: EP 200226307 20021120
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 13661

Fulltext Availability:
Detailed Description

Detailed Description
... Patent: 6,246,412: "Interactive construction and refinement of 31) models from mul0 tiple panoramic **images** " by **Heung** -Yeung **Shum** ; Mel Han; and Richard S. Szeliski;
?

46/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01736884
Method of detecting the presence of figures and methods of managing a stock of components
Verfahren zur Merkmalenanwesenheitserfassung und Verfahren zur Verwaltung eines Komponentenvorrats
Methode de detection de la presence de figures et methodes de gestion de stocks de composants
PATENT ASSIGNEE:
Setrix AG, (2941750), Leopoldstrasse 236, 80807 Munchen, (DE), (Applicant designated States: all)
INVENTOR:
Spindler, Thomas, Sophienbergstrasse 29, 74632 Neuenstein, (DE)
Chiu, Ming-Yee, 5 Barnard Place, Princeton Jct, NJ 08540, (US)
LEGAL REPRESENTATIVE:
Epping Hermann & Fischer (101751), Ridlerstrasse 55, 80339 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1422657 A1 040526 (Basic)
APPLICATION (CC, No, Date): EP 2002026307 021120;
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G06K-019/06; G06K-009/46
ABSTRACT WORD COUNT: 75
NOTE:
Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200422	1163
SPEC A	(English)	200422	11321
Total word count - document A			12484
Total word count - document B			0
Total word count - documents A + B			12484

...SPECIFICATION US Patent: 6,246,412: "Interactive construction and refinement of 3D models from multiple panoramic **images** " by **Heung** -Yeung **Shum** ; Mei Han; and Richard S. Szeliski;

46/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01123809 **Image available**
METHOD OF DETECTING THE PRESENCE OF FIGURES AND METHODS OF MANAGING A STOCK OF COMPONENTS
PROCEDE DE DETECTION DE LA PRESENCE DE CHIFFRES ET DE GESTION D'UN STOCK DE COMPOSANTS
Patent Applicant/Assignee:
SETRIX AG, Leopoldstr. 236, 80807 Munchen, DE, DE (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
CHIU Ming-Yee, 5 Barnard Place, Princeton, NJ 08540, US, US (Residence), US (Nationality), (Designated only for: US)
SPINDLER Thomas, Sophienbergstr. 29, 74632 Neuenstein, DE, DE (Residence), DE (Nationality), (Designated only for: US)

File 9:Business & Industry(R) Jul/1994-2007/Jan 09
(c) 2007 The Gale Group
File 15:ABI/Inform(R) 1971-2007/Jan 12
(c) 2007 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2007/Jan 09
(c) 2007 The Gale Group
File 20:Dialog Global Reporter 1997-2007/Jan 12
(c) 2007 Dialog
File 47:Gale Group Magazine DB(TM) 1959-2007/Jan 05
(c) 2007 The Gale group
File 75:TGG Management Contents(R) 86-2007/Dec W5
(c) 2007 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1982-2007/Jan 09
(c) 2007 The Gale Group
File 88:Gale Group Business A.R.T.S. 1976-2007/Jan 12
(c) 2007 The Gale Group
File 98:General Sci Abs 1984-2007/Jan
(c) 2007 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
(c) 2004 United Business Media
File 141:Readers Guide 1983-2007/Nov
(c) 2007 The HW Wilson Co
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2007/Jan 09
(c) 2007 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2007/Jan 11
(c) 2007 Dialog
File 484:Periodical Abs Plustext 1986-2007/Jan W1
(c) 2007 ProQuest
File 553:Wilson Bus. Abs. 1982-2007/Jan
(c) 2007 The HW Wilson Co
File 570:Gale Group MARS(R) 1984-2007/Jan 09
(c) 2007 The Gale Group
File 608:KR/T Bus.News. 1992-2007/Jan 12
(c)2007 Knight Ridder/Tribune Bus News
File 620:EIU:Viewswire 2007/Jan 11
(c) 2007 Economist Intelligence Unit
File 613:PR Newswire 1999-2007/Jan 06
(c) 2007 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2007/Jan 04
(c) 2007 The Gale Group
File 623:Business Week 1985-2007/Jan 12
(c) 2007 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2007/Jan 12
(c) 2007 McGraw-Hill Co. Inc
File 635:Business Dateline(R) 1985-2007/Jan 12
(c) 2007 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2007/Jan 09
(c) 2007 The Gale Group
File 647:CMP Computer Fulltext 1988-2007/Mar W2
(c) 2007 CMP Media, LLC
File 696:DIALOG Telecom. Newsletters 1995-2007/Jan 12
(c) 2007 Dialog
File 674:Computer News Fulltext 1989-2006/Sep W1
(c) 2006 IDG Communications
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

```
Set     Items   Description
S1    6157924   (IMAGE?? OR PHOTO?? OR PHOTOGRAPH??)
S2       5991   S1(3N)SKETCH??
S3        190   (PRIMITIVE?? OR PRIMAL)(3N)LAYER??
S4       5607   (DOWN OR DOWNED)(3N)SAMPL?
S5      59796   (EDGE?? OR CONTOUR??? OR RIDGE??)(5N)(ENHANC? OR ADJUST? OR
              CORRECT? OR RECONSTRUCT? OR IMPROVE?? OR IMPROVING OR RESTOR?
              OR REPLAC?)
S6      12042   ANTI()ALIAS? OR ANTIALIAS?
S7      34659   INTERPOLAT?
S8      30397   HALLUCINAT?
S9         26   MAXIMUM()POSTERIOR?
S10        39   BANK() FILTER???
S11      1229   AU=(SUN, J? OR SUN J? OR SHUM H? OR SHUM H? OR TAO, H?) OR
            JIAN(2N)SUN OR HEUNG(2N)SHUM OR HAI(2N)TAO
S12      1872   S1(5N)S5
S13        22   S12(5N)S6
S14         0   S13(5N)(S7:S10)
S15        15   S13 NOT PY>2004
S16         9   RD  (unique items)
S17        33   S12(5N)S7
S18         0   S17(5N)S8
S19         0   S17(5N)(S9:S10)
S20        30   S17 NOT PY>2004
S21        18   RD  (unique items)
S22        15   S21 NOT CIRCUIT?
S23         0   S12(5N)S9
S24         0   S12(5N)S10
S25         0   S2(5N)S5
S26         0   S4(5N)S5
S27        80   S5(5N)S6
S28         0   S27(5N)(S7:S10)
S29         5   S4(5N)S6
S30         2   RD  (unique items)
S31        11   S4(5N)(S7:S10)
S32         6   RD  (unique items)
S33        80   S5(5N)S6
S34         0   S33(5N)(S7:S10)
S35        73   S33 NOT PY>2004
S36        41   RD  (unique items)
S37        40   S36 NOT CIRCUIT?
S38        21   S37 NOT TEXTUR?
S39         5   S4(5N)S6
S40         2   RD  (unique items)
S41         0   S39(5N)(S7:S10)
S42         0   S3(5N)S6
S43      1324   S1(5N)S6
S44         0   S43(5N)S8
S45         0   S43(5N)(S9:S10)
S46         0   S11(5N)S1
?
```

16/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00875919 95-25311
Improving your image
Marshall, Patrick; Harney, Tricia
InfoWorld v16n25 PP: 74-91 Jun 20, 1994
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 18707

...TEXT: rate no higher than satisfactory in this category.

GRAPHICS GLOSSARY: THE WORDS BEHIND THE PICTURES

ANTI - ALIASING : A method of smoothing the **edges** of lines.

AUTO-TONAL **ADJUSTMENT** : An automatic adjustment of an **image** 's tone curve to a predefined set of values.

CALIBRATION BARS: Bars of color or...

16/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

10114212 Supplier Number: 91566042 (USE FORMAT 7 FOR FULLTEXT)
High-flying graphics cards: we pick 10 next-generation boards that make your PC soar. (Graphics Boards).(Evaluation)
Krasne, Alexandra
PC World, v20, n10, p99(8)
Oct, 2002
Language: English Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; General Trade
Word Count: 4551

... mode, although edges remained somewhat jagged. MSI's G4MX420-T board scored the lowest in **image** quality because rough **edges** didn't **improve** much with **antialiasing** .
AGP XTRANEOUS
SUPPORT FOR THE new 8X AGP interface is creeping into graphics boards. The...

16/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03708886 Supplier Number: 45253114 (USE FORMAT 7 FOR FULLTEXT)
MEDIASTREAM
Electronic Engineering Times, p89
Jan 9, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 580

... estimating rules - MPEG does not define these, contrary to public belief - or two -dimensional, static **image** **enhancement** . Detail

boosting, **edge** smoothing and **anti - aliasing** are other popular techniques.

Rest assured that all the major compression algorithms - Cinepak, fractals, Indeo...

16/3,K/4 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2007 The Gale group. All rts. reserv.

03777449 SUPPLIER NUMBER: 12723823
Smoothie 1.02. (Software Review) (Peirce Software's onscreen presentation enhancer) (Evaluation)
McClelland, Deke
Macworld, v9, n11, p176(1)
Nov, 1992
DOCUMENT TYPE: Evaluation ISSN: 0741-8647 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

ABSTRACT: Peirce Software's $149 Smoothie 1.02 is an excellent on-screen presentation **enhancing** software package that **antialiases** the **edges** of **images** to create smooth screen pictures. The program resolves objects on-screen and returns a bitmapped...

16/3,K/5 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
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03536060 SUPPLIER NUMBER: 09779359 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Northgate, Icon feature Edsun Continuous Edge Graphics. (Edsun Laboratories Inc.'s digital to analog converter chip is used in Icon Technologies International's Photo Board graphics board and Northgate Computer Systems Inc.'s SlimLine 386/33 microcomputer)(includes related article on the Edsun Continuous Edge Graphics/Digital to Analog Converter chip) (Hardware Review) (First Looks) (evaluation)
Ross, Matthew, J.
PC Magazine, v10, n3, p29(2)
Feb 12, 1991
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1358 LINE COUNT: 00105

...ABSTRACT: Northgate Computer Systems Inc's SlimLine 386/33 microcomputer to smooth jagged VGA output with **anti - aliasing** . **Anti - aliasing adjusts** pixel colors at the **edges** of **images** to increase a monitor's perceived resolution. Both products include drivers for Lotus 1-2 ...

16/3,K/6 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2007 The Gale Group. All rts. reserv.

02427189 SUPPLIER NUMBER: 08102536
Antialiasing scan-line data. (Antialiasing) (technical)
Max, Nelson L.
IEEE Computer Graphics and Applications, v10, n1, p18(13)
Jan, 1990
DOCUMENT TYPE: technical ISSN: 0272-1716 LANGUAGE: English

RECORD TYPE: Abstract

...ABSTRACT: the scan lines being mapped as slanted lines in the output raster coordinates by an **image** transform. **Antialiasing** can be **improved** by the inference from **edge** -slope information of data along extra scan lines.

16/3,K/7 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01307857 SUPPLIER NUMBER: 07422250 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PixelPaint Professional gets true color. (upgrading of SuperMac Technology's PixelPaint 2.0) (product announcement)
Guglielmo, Connie
MacWEEK, v3, n26, p6(1)
July 11, 1989
DOCUMENT TYPE: product announcement ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 269 LINE COUNT: 00021

... including lighten, emboss and tint effects; more-powerful merge and masking functions for manipulating scanned **photographs** ; and **improved anti - aliasing** to smooth jagged **edges** on both text and objects..
Owners of any version of PixelPaint can trade up to...

16/3,K/8 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext

05681416 SUPPLIER NUMBER: 167281301 (USE FORMAT 7 OR 9 FOR FULLTEXT)
High-flying graphics cards
Krasne, Alexandra
PC World (GPCW), v20 n10, p99-112, p.8
Oct 2002
ISSN: 0737-8939 JOURNAL CODE: GPCW
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3742

TEXT:
... mode, although edges remained somewhat jagged. MSI's G4MX420-T board scored the lowest in **image** quality because rough **edges** didn't **improve** much with **antialiasing** .
ACP XTRANEOUS
SUPPORT FOR THE new 8X AGP interface is creeping into graphics boards. The...

16/3,K/9 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01040028 CMP ACCESSION NUMBER: EET19950109S0075
Digital video filter tips (Mediastream)
Richard Doherty
ELECTRONIC ENGINEERING TIMES, 1995, n 830, PG89
PUBLICATION DATE: 950109

JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Design: computers & communications
WORD COUNT: 575

... estimating rules-MPEG does not define these, contrary to public belief -or two-dimensional, static **image enhancement** . Detail boosting, **edge** smoothing and **anti - aliasing** are other popular techniques.

Rest assured that all the major compression algorithms-Cinepak, fractals, Indeo...
?

22/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2007 The Gale Group. All rts. reserv.

01476143 Supplier Number: 24168762 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Lexar chip speeds writes to digital-camera memory
(Lexar Media has developed a flash-memory controller that can attain 1.6-Mbyte/second sustained write time to existing flash chips on a CompactFlash card)
Electronic Engineering Times, p 18
February 09, 1998
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 895

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...in about half a second. Next, an embedded engine performs such processing tasks as color **interpolation** , **edge enhancement** , color-space conversion and **image** scaling. The engine then must compress the processed image before sending it to a storage...

22/3,K/2 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2007 ProQuest Info&Learning. All rts. reserv.

01188657 98-38052
Reviews: PaperPort Vx
Beckman, Mel
Macworld v13n3 PP: 82 Mar 1996
ISSN: 0741-8647 JRNL CODE: MAW
WORD COUNT: 428

...TEXT: Image-manipulation tools include rotation, manual and automatic straightening, contrast adjustment, and cropping. A new **image** -resolution-**enhancement** feature **improves image** contrast and **edge** definition via a slower, **interpolating** scan process. A printing extension lets you print documents from other applications directly into the...

22/3,K/3 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

09658236 Supplier Number: 84157459 (USE FORMAT 7 FOR FULLTEXT)
Crescentec Introduces 4 Megapixel Digital Camera Controller Solutions -- DC1200.
Business Wire, p0282
March 25, 2002
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 487

... while optimizing performance, power consumption and cost. The image enhancement engine performs statistical collection, color **interpolation** , Gamma **correction** , color compensation, **edge** detection and **enhancement** , **image** scaling and many other color processes that are essential to medium and high end digital...

22/3,K/4 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

09212698 Supplier Number: 80158032 (USE FORMAT 7 FOR FULLTEXT)
ALU arrays speed instruction flow.
Marshall, Alan
Electronic Engineering Times, p56
Nov 19, 2001
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 846

... Running a number of complex algorithms that perform such operations as correcting for lens aberrations, **interpolating** bad pixels and colors, autofocus, **edge enhancement** , **image** compression and writing to flash memory.
DSP element
The performance of the DSP element of...

22/3,K/5 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08070374 Supplier Number: 67336578 (USE FORMAT 7 FOR FULLTEXT)
SmartASIC gears LCD controllers toward next-generation PCs. (Product Announcement)
Electronic Buyers' News, p120
Nov 27, 2000
Language: English Record Type: Fulltext
Article Type: Product Announcement
Document Type: Magazine/Journal; Trade
Word Count: 306

... temporal-based dithering for 6-bit LCD panels.
The SP1015 and SP1215 use proprietary adaptive **interpolation** and **image** -processing algorithms to smooth jagged **edges** in **interpolation** , **enhance** the sharpness of text, and eliminate gray shades for maximum contrast and readability. Samples of...

22/3,K/6 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08064489 Supplier Number: 67153090 (USE FORMAT 7 FOR FULLTEXT)
LCD controllers take aim at next-gen PCs. (Product Announcement)
Electronic Engineering Times, p142
Nov 20, 2000
Language: English Record Type: Fulltext
Article Type: Product Announcement
Document Type: Magazine/Journal; Trade
Word Count: 323

... temporal-based dithering for 6-bit LCD panels.
The SP1015 and SP1215 use proprietary adaptive **interpolation** and **image** -processing algorithms to smooth jagged **edges** in **interpolation** ,

enhance the sharpness of text and eliminate gray shades for maximum contrast and readability.
Samples of...

22/3,K/7 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

08034484 Supplier Number: 66876519 (USE FORMAT 7 FOR FULLTEXT)
SmartASIC Introduces Two LCD Controllers Optimized For Next-Generation LCD PCs; Direct Interface with Intel's 810/810E DVO Ports Reduces System Cost.
Business Wire, p0560
Nov 13, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 778

... less-expensive 6-bit LCD panels.
The SP1015 and SP1215 employ SmartASIC's proprietary adaptive **interpolation** and **image** processing algorithms to smooth jagged **edges** in **interpolation** , **enhance** the sharpness of text, and eliminate gray shades for maximum contrast and readability. These chips...

22/3,K/8 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

05464021 Supplier Number: 48281787 (USE FORMAT 7 FOR FULLTEXT)
Lexar Chip Speeds Writes To Digital-camera Memory
Yoshida, Junko
Electronic Engineering Times, p18
Feb 9, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 926

... in about half a second. Next, an embedded engine performs such processing tasks as color **interpolation** , **edge enhancement** , color-space conversion and **image** scaling. The engine then must compress the processed image before sending it to a storage...

22/3,K/9 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

05330500 Supplier Number: 48111836 (USE FORMAT 7 FOR FULLTEXT)
Sierra Imaging Grabs Technology Lead in Digital Imaging Chips.
Business Wire, p11101024
Nov 10, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 516

... products serving high-growth markets."
Important Features
-- Image Transform Processor provides operations such as color

interpolation (de-mosaicizing), **edge enhancement** , color space conversion, **image** scaling and other pre- and user-defined image enhancements
-- Double-buffered smart DMA allowing pixel...

22/3,K/10 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

04450285 SUPPLIER NUMBER: 17891949 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PaperPort Vx: desktop scanner just gets better. (Visioneer Communications sheetfed gray-scale scanner) (Hardware Review) (Evaluation)
Beckman, Mel
Macworld, v13, n3, p82(1)
March, 1996
DOCUMENT TYPE: Evaluation ISSN: 0741-8647 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 474 LINE COUNT: 00043

... Image-manipulation tools include rotation, manual and automatic straightening, contrast adjustment, and cropping. A new **image** -resolution-**enhancement** feature **improves image** contrast and **edge** definition via a slower, **interpolating** scan process. A printing extension lets you print documents from other applications directly into the...

22/3,K/11 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

02134832 SUPPLIER NUMBER: 20158449 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Chip set could lower digital camera prices. (Sierra Imaging) (Company Business and Marketing) (Brief Article)
Seybold Report on Publishing Systems, v27, n8, p20(1)
Dec 22, 1997
DOCUMENT TYPE: Brief Article ISSN: 0736-7260 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 277 LINE COUNT: 00025

... It also provides battery conservation functions. Sierra's software for the chip set handles color **interpolation** (de-mosaicizing), **edge enhancement** , color-space conversion, **image** scaling, JPEG compression and interleaving of color channels. A software development kit allows OEM customers...

22/3,K/12 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext

02178697 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Application of ultrasound and computer techniques to lower limb prosthetic socket design
Ping He; Kefu Xue; Murka, Paul
Journal of Rehabilitation Research & Development (PJHB), v30-31, p20, p.1
Dec 1994
ISSN: 0748-7711 JOURNAL CODE: PJHB
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract

Sylvia Keys 12-Jan-07 03:59 PM

WORD COUNT: 526 LENGTH: Medium (10-30 col inches)

TEXT:
... has also been made to increase the speed of image reconstruction, enhance the quality of **image** , and **improve** the accuracy of **edge** detection and boundary **interpolation** .
The system has been tested by scanning a healthy volunteer's leg. The reconstructed ultrasound...

22/3,K/13 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01245825 CMP ACCESSION NUMBER: EET20011119S0048
ALU arrays speed instruction flow
Alan Marshall, Chief Technology Officer, Elixent, Bristol, England
ELECTRONIC ENGINEERING TIMES, 2001, n 1193, PG56
PUBLICATION DATE: 011119
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: SIGNALS - FOCUS: HIGH-PERFORMANCE DSPs
WORD COUNT: 790

... Running a number of complex algorithms that perform such operations as correcting for lens aberrations, **interpolating** bad pixels and colors, autofocus, **edge enhancement** , **image** compression and writing to flash memory.

DSP element

The performance of the DSP element of...

22/3,K/14 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01227417 CMP ACCESSION NUMBER: EET20001120S0104
LCD controllers take aim at next-gen PCs
ELECTRONIC ENGINEERING TIMES, 2000, n 1141, PG142
PUBLICATION DATE: 001120
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: PRODUCTWEEK - CHIPS
WORD COUNT: 299

... temporal-based dithering for 6-bit LCD panels.

The SP1015 and SP1215 use proprietary adaptive **interpolation** and **image** -processing algorithms to smooth jagged **edges** in **interpolation** , **enhance** the sharpness of text and eliminate gray shades for maximum contrast and readability.

Samples of...

22/3,K/15 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01152597 CMP ACCESSION NUMBER: EET19980209S0030
Lexar chip speeds writes to digital-camera memory
Junko Yoshida
ELECTRONIC ENGINEERING TIMES, 1998, n 992, PG18
PUBLICATION DATE: 980209
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: News
WORD COUNT: 930

... in about half a second. Next, an embedded engine performs such processing tasks as color **interpolation** , **edge enhancement** , color -space conversion and **image** scaling. The engine then must compress the processed image before sending it to a storage...
?

30/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06600214 Supplier Number: 55608636 (USE FORMAT 7 FOR FULLTEXT)
MetaCreations Announces Carrara, Next-Generation 3D Software for Print, Video and the Web.
Business Wire, p0140
August 31, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1212

... latest advances in rendering technologies: First Hit Acceleration, Selective Ray Tracing, Shaders and Soft Shadows **Down Sampling** , High Quality Adaptive **Antialiasing** and Symmetric Multiprocessing support. -- MetaStream Support: Users can create fully textured objects and export them...

30/3,K/2 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

06991281 (USE FORMAT 7 OR 9 FOR FULLTEXT)
METACREATIONS: Complete 3D modelling and animation solution from creators of Ray Dream Studio & Infini-D
M2 PRESSWIRE
September 01, 1999
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 810

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... latest advances in rendering technologies: First Hit Acceleration, Selective Ray Tracing, Shaders and Soft Shadows **Down Sampling** , High Quality Adaptive **Antialiasing** and Symmetric Multiprocessing support.
* MetaStream Support: Users can create fully textured objects and export them...

32/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01144962 97-94356
A garden of 24-bit images
Welch, Jill; Orubeondo, Ana; Murdock, Michelle; Marshall, Patrick; et al
InfoWorld v18n3 PP: 64-76 Jan 15, 1996
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 4109

...TEXT: scanner, interpolated resolution "fills in" images by either inverting or ignoring pixels (that is, either **sampling** up or **down**). **Interpolation** can rectify the "jaggies" on black and white line art but can result in a...

32/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08333610 Supplier Number: 70455783 (USE FORMAT 7 FOR FULLTEXT)
TeraNex to Showcase New Applications of Video Computer Platform At NAB 2001.
Business Wire, p0369
Feb 15, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 681

... and film-based content (24 fps), unparalleled 3:2 pull-down handling, and 32-point **interpolation** on **down - sampling** to CIF and QCIF image sizes.
StarStream(TM) Broadband Encoding Platform: TeraNex's broadband encoding...

32/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07844955 Supplier Number: 65505232 (USE FORMAT 7 FOR FULLTEXT)
Divio NW800 Chip Enables New Class of PC Cameras; Powerful New Chip Provides Realtime Video Across USB for PCs and Portable Devices.
Business Wire, p0053
Sept 27, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 627

... saturation, and contrast control

-- Color space conversion (RGB and YUV 4:2:2)

-- Missing-pixel **interpolation**

-- **Down - sampling** support
PC Camera Manufacturing Kit
To simplify OEM design efforts, Divio is making available a...

32/3,K/4 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.

05353435 SUPPLIER NUMBER: 60272090
New Methods for Computing Interpolation and Decimation Using Polyphase Decomposition.
Emami, Shahriar
IEEE Transactions on Education, 42, 4, 311
Nov, 1999
ISSN: 0018-9359 LANGUAGE: English RECORD TYPE: Abstract

...AUTHOR ABSTRACT: incorporated into digital signal processing (DSP) courses that deal with multirate filters.
Index Terms--Decimation, **down - sampler** , DSP, **interpolation** , polyphase, multirate, up-sampler.

32/3,K/5 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

0326858 92-76019
Howtek Introduces the CosMYK 860 Color Computer for Scanmaster D4000 Drum Scanner
Vosler, Jena
PR Newswire (New York, NY, US) s1 p1
PUBL DATE: 920921
WORD COUNT: 292
DATELINE: Hudson, NH, US

TEXT:

...and GCR , printing ink tables, maximum and minimum dot (per ink) and monochrome conversion; data **interpolation** via true **interpolation** , replication and **down sampling** ; data packing either line packed or binary formats; and hardware links built in for future...

32/3,K/6 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire

0520418 NE020
HOWTEK INTRODUCES THE COSMYK 860 COLOR COMPUTER FOR SCANMASTER D4000 DRUM SCANNER

DATE: September 21, 1992 13:31 EDT WORD COUNT: 302

...and GCR , printing ink tables,
maximum and minimum dot (per ink) and monochrome conversion; data **interpolation** via true **interpolation** , replication and **down sampling** ;
data packing either line packed or binary formats; and hardware links built in for future...
?

38/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

00910899 Supplier Number: 23478580 (USE FORMAT 7 OR 9 FOR FULLTEXT)
ARM flexed for laser printers
(Laser-printer architecture has undergone changes; Samsung Semiconductor unveils KS32C6000 built around ARM7 core)
Electronic Engineering Times, p 94
April 01, 1996
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 517

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:
...ASICs -- not as core logic, but as bit-block transfer (BitBLT) engines -- to execute special **edge - enhancement** and **anti - aliasing** algorithms.

That's the situation as Samsung Semiconductor announces the first chip to use its...

TEXT:
...ASICs -- not as core logic, but as bit-block transfer (BitBLT) engines -- to execute special **edge - enhancement** and **anti - aliasing** algorithms.

That's the situation as Samsung Semiconductor announces the first chip to use its...

38/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08716247 Supplier Number: 75493223 (USE FORMAT 7 FOR FULLTEXT)
Sharp Electronics Unveils the NotevisionM15 - A Compact, Versatile Projector for the Mobile Executive.
PR Newswire, pNA
June 13, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 844

... signals are also handled through the projector's video inputs. The M15 features digital keystone **correction** with **edge** smoothing to remove trapezoidal effects. **Anti - aliasing** edge smoothing ensures crisp images while maintaining brightness.
Sharp offers a full line of LCD...

38/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07232994 Supplier Number: 61456387 (USE FORMAT 7 FOR FULLTEXT)
Seybold Seminars Boston '00 - Workflow: 'Gang of Four' Introduces New Job Ticket Format.(Adobe Systems, Agfa, Heidelberg, MAN Roland)(Industry

Trend or Event)
Alexander, George A.; Edwards, Stephen E.; Wolf, Kurt K.
The Seybold Report on Publishing Systems, pNA
April 17, 2000
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 9154

... and the Java 2D API. It includes all PostScript imaging operations, and offers the primary **enhancements** of supporting **antialiasing** (for smoother **edges** within graphics) and partial transparency.
Artifex Software, Inc., 101 Lucas Valley Rd., Suite 110, San...

38/3,K/4 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06270271 Supplier Number: 54380904 (USE FORMAT 7 FOR FULLTEXT)
CrystalGraphics and Sony Announce OEM Relationship.
PR Newswire, p0778
April 14, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 801

... broadcast-quality rendering engine. Developed by CrystalGraphics, this professional-level rendering engine features sub-pixel **anti aliasing** , mip-mapping, Phong shading, soft **edged** shadows, NTSC video color **correction** , field rendering and much more.
Quotes:
"Crystal 3D Vortex and Crystal 3D IMPACT! Pro satisfy...

38/3,K/5 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04049975 Supplier Number: 45891330 (USE FORMAT 7 FOR FULLTEXT)
Common Ground Announces "Web Friendly" Upgrades with Version 2.01; URL Hyperlinks and Netscape support enhancements strengthen Common Ground's position as premier portable document software.
Business Wire, p10301054
Oct 30, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 481

... upgrades include:
-- Enhanced Text - the free MiniViewer now incorporates Common Ground's PixelGrade(TM) font **anti - aliasing** technology. By smoothing jagged **edges** , **anti - aliasing** dramatically **improves** the on-screen legibility of small type, even on low resolution monitors. Previously, this feature...

38/3,K/6 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

03708886 Supplier Number: 45253114 (USE FORMAT 7 FOR FULLTEXT)
MEDIASTREAM
Electronic Engineering Times, p89
Jan 9, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 580

... rules - MPEG does not define these, contrary to public belief - or two -dimensional, static image **enhancement** . Detail boosting, **edge** smoothing and **anti - aliasing** are other popular techniques.

Rest assured that all the major compression algorithms - Cinepak, fractals, Indeo...

38/3,K/7 (Item 6 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

01669716 Supplier Number: 42073204 (USE FORMAT 7 FOR FULLTEXT)
SIERRA UNVEILS 65,536 COLOR, 16-BIT VGA COMPATIBLE HICOLOR PALETTE WITH XGA COMPATIBLE COLOR PERFORMANCE
News Release, p1
May 13, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 743

... one bit is not used.

The large number of colors offered by HiCOLOR palettes allows **anti - aliasing** , which **improves** graphics quality by smoothing jagged **edges** .
Also, a PC-windowing application enables multiple windows, with different images, to be opened without...

38/3,K/8 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

01430128 Supplier Number: 41712375 (USE FORMAT 7 FOR FULLTEXT)
HP OFFERS NEW SEVEN-POUND PORTABLE ANALYZER FOR HIGH-PERFORMANCE DYNAMIC MEASUREMENTS
News Release, p1
Dec 3, 1990
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 494

... measurement
functions include complete alias protection and digital zoom for high-resolution measures and an **anti - alias** filter that can be **adjusted** for fast- **edge** , time-domain measurements.

Performance capabilities of the new analyzer include:

* 70-dB dynamic range and...

38/3,K/9 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2007 Dialog. All rts. reserv.

22303638 (USE FORMAT 7 OR 9 FOR FULLTEXT)
New Compaq Presario Options Make Digital Entertainment Faster, Sharper, More Realistic
PR NEWSWIRE
April 17, 2002
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 642

...share and enjoy digital entertainment.
The new, affordable GeForce4 MX420 64MB graphics card featuring Accuview **Antialiasing** delivers full-scene **improved** realism with fewer jagged **edges** and fast, smooth game play on the Compaq Presario 6000 and

8000 PCs, available direct...

38/3,K/10 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

04476340 SUPPLIER NUMBER: 18204980 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sony's RTE-3000A handles MPEG-1 compression - regardless of source. (Sony Electronics' RTE-3000A Advanced Real-Time MPEG-1 Encoder) (Hardware Review) (Evaluation)
Ozer, Jan
PC Magazine, v15, n8, p63(1)
April 23, 1996
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 874 LINE COUNT: 00070

... parameters. The RTE-3000A excels in both areas. For example, before compression, the RTE-3000A **anti - aliases** the digitized video to **improve edge** quality and removes analog noise with a low-pass filter.
MPEG-1 files are composed...

38/3,K/11 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03777449 SUPPLIER NUMBER: 12723823
Smoothie 1.02. (Software Review) (Peirce Software's onscreen presentation enhancer) (Evaluation)
McClelland, Deke
Macworld, v9, n11, p176(1)
Nov, 1992
DOCUMENT TYPE: Evaluation ISSN: 0741-8647 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

ABSTRACT: Peirce Software's $149 Smoothie 1.02 is an excellent on-screen presentation **enhancing** software package that **antialiases** the **edges** of images to create smooth screen pictures. The program resolves objects on-screen and returns...

38/3,K/12 (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03536060 SUPPLIER NUMBER: 09779359 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Northgate, Icon feature Edsun Continuous Edge Graphics. (Edsun Laboratories Inc.'s digital to analog converter chip is used in Icon Technologies International's Photo Board graphics board and Northgate Computer Systems Inc.'s SlimLine 386/33 microcomputer) (includes related article on the Edsun Continuous Edge Graphics/Digital to Analog Converter chip) (Hardware Review) (First Looks) (evaluation)
Ross, Matthew, J.
PC Magazine, v10, n3, p29(2)
Feb 12, 1991
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1358 LINE COUNT: 00105

...ABSTRACT: Northgate Computer Systems Inc's SlimLine 386/33 microcomputer to smooth jagged VGA output with **anti - aliasing** . **Anti - aliasing** **adjusts** pixel colors at the **edges** of images to increase a monitor's perceived resolution. Both products include drivers for Lotus...

38/3,K/13 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.

02427189 SUPPLIER NUMBER: 08102536
Antialiasing scan-line data. (Antialiasing) (technical)
Max, Nelson L.
IEEE Computer Graphics and Applications, v10, n1, p18(13)
Jan, 1990
DOCUMENT TYPE: technical ISSN: 0272-1716 LANGUAGE: English
RECORD TYPE: Abstract

...ABSTRACT: lines being mapped as slanted lines in the output raster coordinates by an image transform. **Antialiasing** can be **improved** by the inference from **edge** -slope information of data along extra scan lines.

38/3,K/14 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01748303 SUPPLIER NUMBER: 16657913
Digital video filter tips.(Mediastream)(Column)
Doherty, Richard
Electronic Engineering Times, v00000000, n830, p89(1)
Jan 9, 1995
DOCUMENT TYPE: Column ISSN: 0192-1541 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: save significant amounts of delivery bandwidth or digital video storage. Some popular techniques for output **enhancement** include motion- **reconstruction** estimating rules, **edge** smoothing, detail boosting and **anti - aliasing** . Users should expected to see future enhancements to all the major compression algorithms, including MPEG...

38/3,K/15 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01664634 SUPPLIER NUMBER: 14614308 (USE FORMAT 7 OR 9 FOR FULL TEXT)
High-speed Windows output. (NEC Technologies' Silentwriter SuperScript 610 laser printer) (Hardware Review) (Evaluation)
Drude, Ted
Computer Shopper, v14, n1, p494(1)
Jan, 1994
DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1028 LINE COUNT: 00079

... 300-dpi resolution and prints 6 pages per minute. The SuperScript incorporates NEC's Sharp **Edge** Technology (SET) to **improve** **anti - aliasing** of text and graphics. The test output looked clear and crisp.

The NEC's all...

38/3,K/16 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01511495 SUPPLIER NUMBER: 12075962 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Quality-enhanced laser printing: RET, PQET, FinePrint, TurboRes, MultiRes, etc. (David Spencer analyzes the new generation of laser printers exhibited at the October 1991 Seybold Computer Publishing Conference)
Spencer, David
Seybold Report on Desktop Publishing, v6, n8, p3(16)
April 6, 1992
ISSN: 0889-9762 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 7130 LINE COUNT: 00541

... technologies are going under a variety of names and guises: Resolution Enhancement, FinePrint, Print Quality **Enhancement** , **Anti - Aliasing** , **Edge Enhancement** , TurboRes, MultiRes, PhotoGrade, etc. Six years after the first high-resolution laser printer was announced...yields very desirable results.

There are some variations on the theme, including Resolution Enhancement, TurboRes, **Anti - Aliasing** , FinePrint, Print Quality **Enhancement** and **Edge Enhancement** , as many companies implement variable spot size tecniques. LaserMaster and XLI work from higher resolution...

38/3,K/17 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01307857 SUPPLIER NUMBER: 07422250 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PixelPaint Professional gets true color. (upgrading of SuperMac Technology's PixelPaint 2.0) (product announcement)
Guglielmo, Connie
MacWEEK, v3, n26, p6(1)
July 11, 1989
DOCUMENT TYPE: product announcement ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 269 LINE COUNT: 00021

... emboss and tint effects; more-powerful merge and masking functions for manipulating scanned photographs; and **improved anti - aliasing** to smooth jagged **edges** on both text and objects.

Owners of any version of PixelPaint can trade up to...

38/3,K/18 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire

00749830 20020417DAW020 (USE FORMAT 7 FOR FULLTEXT)
New Compaq Presario Options Make Digital Entertainment
PR Newswire
Wednesday, April 17, 2002 14:00 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 664

TEXT:
...share and
enjoy digital entertainment.
The new, affordable GeForce4 MX420 64MB graphics card featuring Accuview
Antialiasing delivers full-scene **improved** realism with fewer jagged **edges** and
fast, smooth game play on the Compaq Presario 6000 and 8000 PCs, available direct...

38/3,K/19 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

04446999 Supplier Number: 55978957 (USE FORMAT 7 FOR FULLTEXT)
Nonlinear editing, DV-style, is ready for primetime with Canopus' DVRex-M1.
Mullen, Steve
Video Systems, pNA
Sept, 1999
Language: English Record Type: Fulltext
Document Type: Newsletter; Tabloid; Trade
Word Count: 1378

... 16MB SGRAM. Rexfx offers a large library of beautiful 3D transitions. These render-accelerated, keyframeable, **anti - aliased** transitions offer light-source highlights, **adjustable** motion paths, and modifiable **edge** -look. Rexfx also can be used with motion-JPEG material under Premiere.
Put simply, the...

38/3,K/20 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01086329 CMP ACCESSION NUMBER: EET19960401S0065
ARM flexed for laser printers
Ron Wilson
ELECTRONIC ENGINEERING TIMES, 1996, n 895, PG94
PUBLICATION DATE: 960401
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: design - Solid State
WORD COUNT: 533

... ASICs-not as core logic, but as bit-block transfer (BitBLT) engines-to execute special **edge - enhancement** and **anti - aliasing** algorithms.
That's the situation as Samsung Semiconductor announces the first chip to use its...

38/3,K/21 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01040028 CMP ACCESSION NUMBER: EET19950109S0075
Digital video filter tips (Mediastream)
Richard Doherty

ELECTRONIC ENGINEERING TIMES, 1995, n 830, PG89
PUBLICATION DATE: 950109
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Design: computers & communications
WORD COUNT: 575

... rules-MPEG does not define these, contrary to public belief -or two-dimensional, static image **enhancement** . Detail boosting, **edge** smoothing and **anti - aliasing** are other popular techniques.

Rest assured that all the major compression algorithms-Cinepak, fractals, Indeo...
?

40/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06600214 Supplier Number: 55608636 (USE FORMAT 7 FOR FULLTEXT)
MetaCreations Announces Carrara, Next-Generation 3D Software for Print, Video and the Web.
Business Wire, p0140
August 31, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1212

... latest advances in rendering technologies: First Hit Acceleration, Selective Ray Tracing, Shaders and Soft Shadows **Down Sampling** , High Quality Adaptive **Antialiasing** and Symmetric Multiprocessing support. -- MetaStream Support: Users can create fully textured objects and export them...

40/3,K/2 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

06991281 (USE FORMAT 7 OR 9 FOR FULLTEXT)
METACREATIONS: Complete 3D modelling and animation solution from creators of Ray Dream Studio & Infini-D
M2 PRESSWIRE
September 01, 1999
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 810

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... latest advances in rendering technologies: First Hit Acceleration, Selective Ray Tracing, Shaders and Soft Shadows **Down Sampling** , High Quality Adaptive **Antialiasing** and Symmetric Multiprocessing support.
* MetaStream Support: Users can create fully textured objects and export them...
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